

Joint Non-Lethal Weapons Program (JNLWP)

Update to 2002 Int'l Infantry & Joint Services

Small Arms Section Symposium

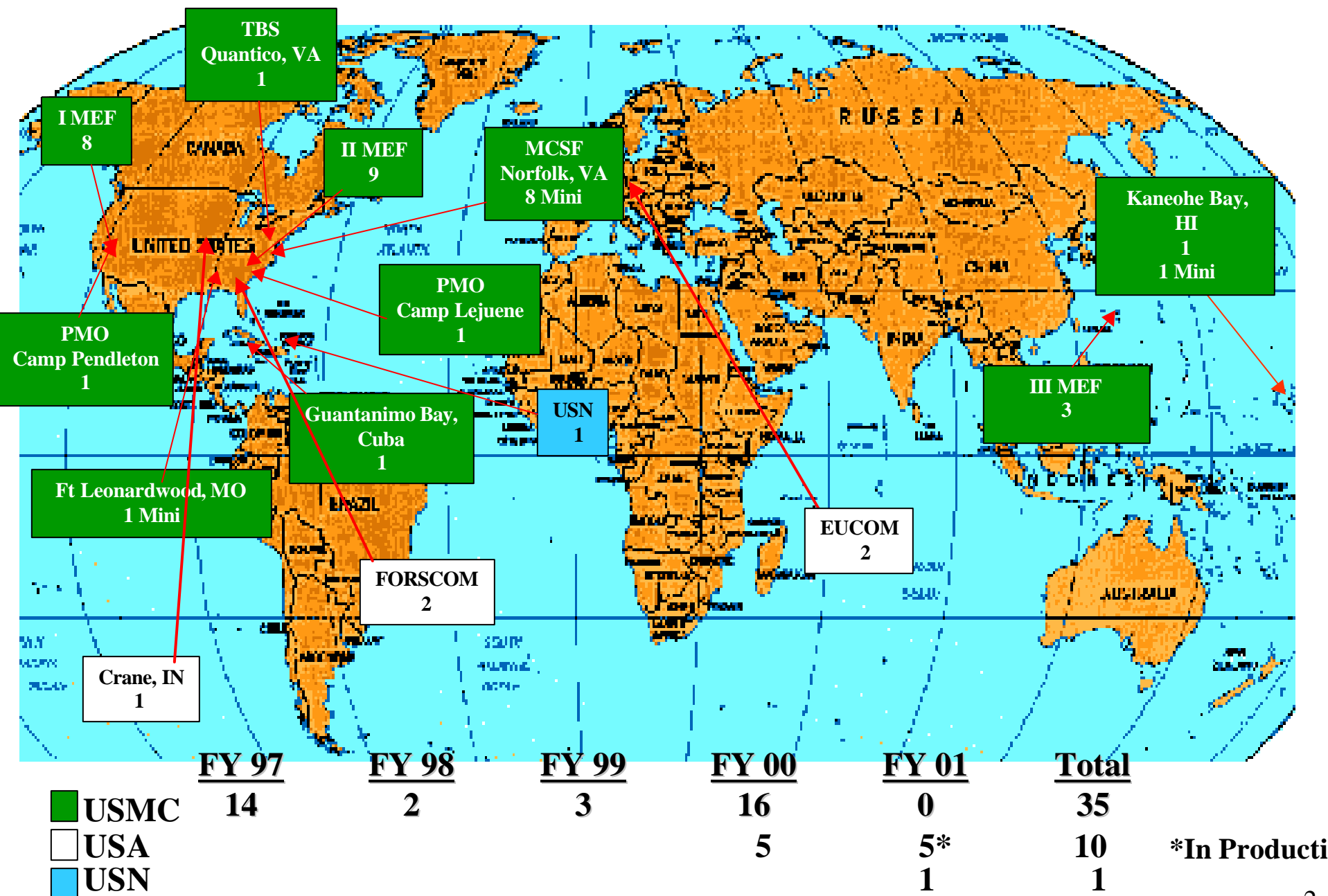


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Fielded NL Capability Sets





Joint Integration Program

- **12 Guage Flash-Bang Assessment**
- **RCA Dispenser Comparison Tests**
- **Ammunition Characterization Tests**
- **Lightweight Shotgun System Feasibility**
- **NL Ammunition Test Roadmap**
- **Ammunition Effectiveness Endurance Testing**
- **Launch Cup Completion**
- **Training Suit / Strike Bags**
- **Fire Safety Equipment**



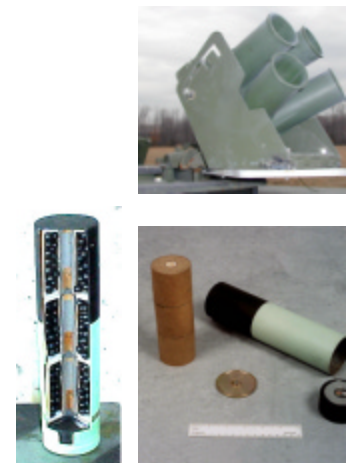


Acquisition Programs

Modular Crowd Control Munition (MCCM)



66mm Vehicle Launched NL Grenades (VL NLG's)



Portable Vehicle Arresting Barrier (PVAB)



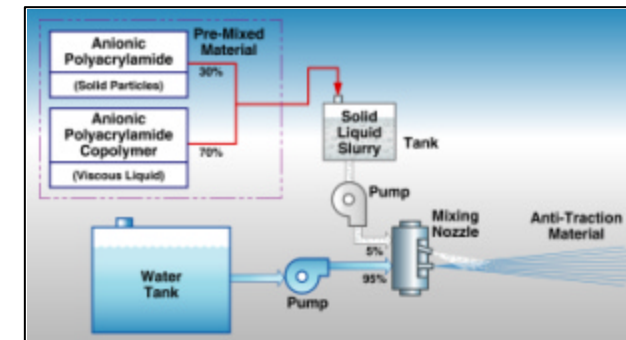
40mm Non-Lethal Crowd Dispersal Cartridge (NLCDC)





Mobility Denial System (MDS)

- **Man Portable System**
 - 5 gallons, reaches 20 feet & covers 2,000 Sq. Ft.
- **Vehicle Transportable System**
 - 300 gallons, reaches 100 feet & covers 120,000 Sq. Ft.
- **Acquisition Objective – 472 MP Systems & 47* Vehicle Transportable Systems**
- **PM – Captain (USMC) Warren, COM (703)784-2006, Ext. 42733**

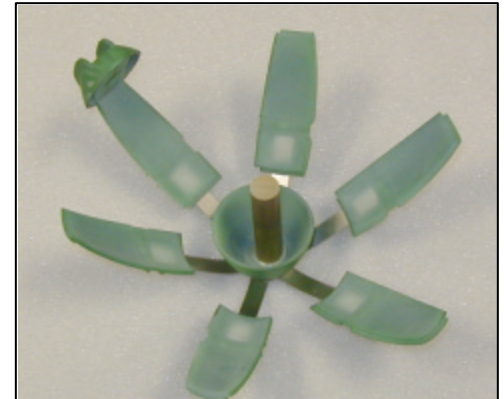


* Quantity of USA VT Systems TBI



Clear A Space Status

- **Distract / Disorient Space Occupants**
- **FY02 Effectiveness Analysis Ongoing**
 - **ORD Values (MoP's & MoE's)**
 - **Define Entry Time Requirements by Service / CINC**
 - **Effects Duration Requirement varies by Service / Agency – 5 mnute minimum**
 - **Define “Disorient” & “Incapacitate” from a CAS Human Effects Perspective**
 - **Mk 141 Flash Bang Grenade used as Baseline Capability**
- **Additional FY02 Activities: Req. Development, TEA, SBIR, CONOPS, Tech. Roadmap**
- **Tailored Executive Analysis (TEA) Considerations:**
 - **MSG (SBIR), Thermobarics, Stun & Flameless Grenades, Pepper Sprays, etc...**
 - **Hand Thrown or Shotgun Launched**





Concept Exploration

Area Denial to Personnel (USA)



Clear Facilities (USMC)



Crowd Control (USA)



Area Denial to Vehicles (USA)



Incapacitate Pers. (USMC)



Area Denial to Boats (USN)





Other Tactical Programs

(Requirements Pending)

- **Mk 19 40mm NL Munition**
- **OICW - NL Round**
- **NL Mortar Munition**
- **Running Gear Entanglement System**





Advanced Concept Technology Demonstrations (ACTD's)

Advanced Tactical Laser



FY 01 New Start

CINC Sponsor: USSOCOM

Joint Sponsor: JNLWD

Technical Mgr: USA (SMDC)

Operational Mgr: AFSOC

Active Denial System



FY 02 New Start

CINC Sponsor: JFCOM

Joint Sponsor: JNLWD

Technical Mgr: USAF (AFRL)

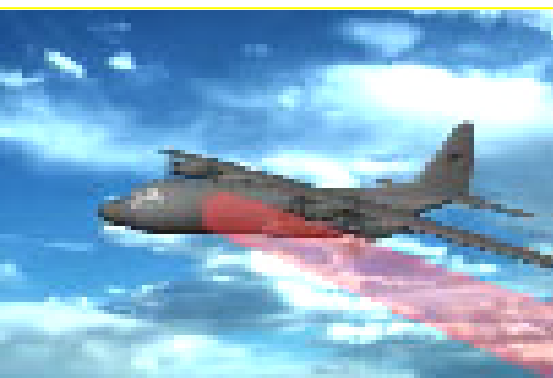
Operational Mgr: ACC



Other JNLWP

Transformational Capabilities

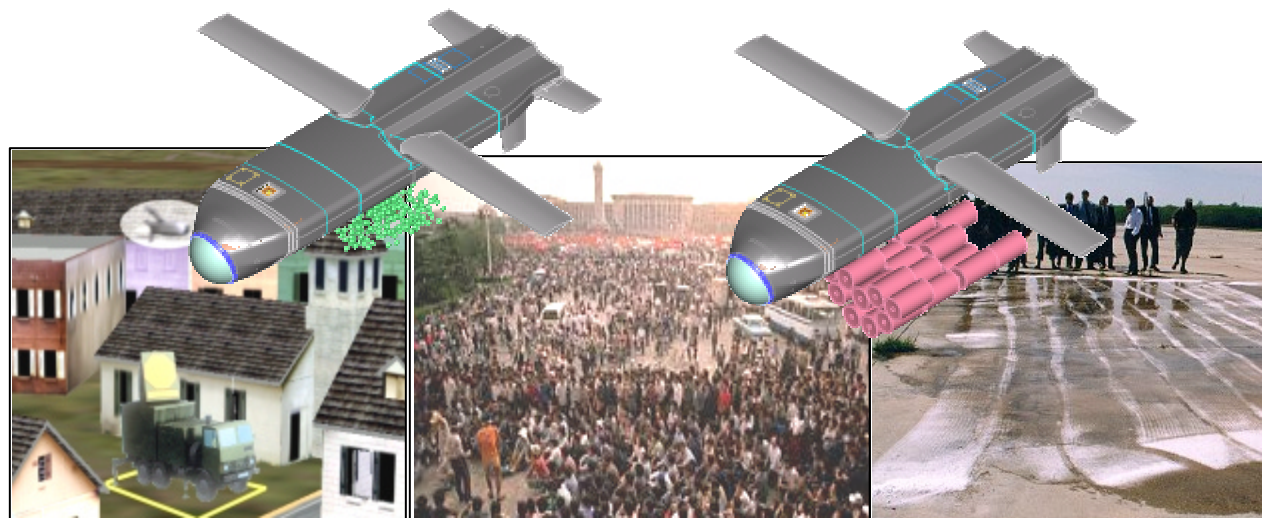
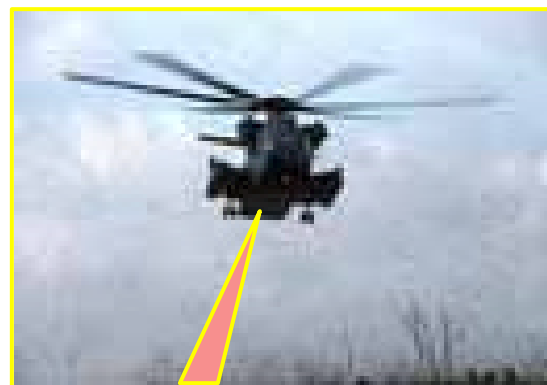
Airborne Active Denial



Pulsed Energy Projectile



Long Range Delivery





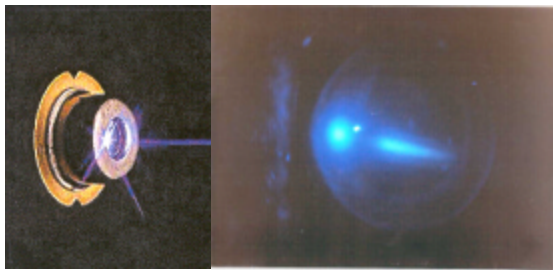
Technology Investment Projects

Due Date



Thermobaric Tech. (USN)

3QFY02



Veiling Glare Laser (USAF)

3QFY02



Front End Analysis of RCAs (USA)

3QFY02

**FY03 TIP BAA – Crowd Control & Area Denial to Personnel
- UGV's, NL APM's, 40mm & 12 Gauge Systems**



NLW Lessons Learned

- **Requirements Generation:**
 - **USMC** – Universal Need Statement (UNS) Requirement
 - **USA** – Two to Three Year ORD Development & Coordination Timeline
- Develop Service Integrated Concept Teams
- Human Effects Characterization
- Legal / Acceptability / Environmental Impacts
- DoD Versus DoJ Requirements
- Fire from Existing Platforms
- Address Interoperability
- Consider Evolutionary Acquisition Proposals
- Focus on Payload, not the Launching Platform